

Patent Claims

=====

1. Apparatus for thermally conditioning objects, in
5 particular vehicle bodies, comprising
- a) a housing;
- b) at least two thermally conditioning facilities which
10 are arranged parallel in their operation, are
accommodated in the housing and each comprise:
- ba) a tunnel-like useful space, in which the objects
can be impinged by thermally conditioned air;
15
- bb) a conveying system, by which the objects can be
moved through the useful space,
- characterised in that
20
- c) the at least two thermally conditioning facilities
(100, 100') are arranged one above the other in the
housing (1), substantially over the same floor area.
- 25 2. Apparatus according to claim 1, characterised in that
the air path on which the thermally conditioned air
flows to a first thermally conditioning facility
(100') leads through a second thermally conditioning
facility (100).
- 30
3. Apparatus according to claim 2, characterised in that
there is provided in the air path a device (26) by
which the passage of thermally conditioned air from

the second thermally conditioning facility (100) into the first thermally conditioning facility (100') can be interrupted if required.

- 5 4. Apparatus according to claim 3, characterised in that
the device (26) for interrupting the air path is a
controllable flap.
- 10 5. Apparatus according to claim 3, characterised in that
the device (26) for interrupting the air path is a
closable louvre.
- 15 6. Apparatus according to one of the preceding claims,
characterised in that the at least two thermally
conditioning facilities (100, 100') at least
regionally divide the air path (22) on which the air
is discharged from the useful spaces (14, 14').
- 20 7. Apparatus according to claim 1, characterised in that
the air path on which the thermally conditioned air
flows to the first thermally conditioning facility
(100') is independent of the air path on which the
thermally conditioned air flows to the second
thermally conditioning facility (100).
- 25 8. Apparatus according to one of the preceding claims,
characterised in that it is designed as a drier and
has at least one heating unit (25, 25') for thermally
conditioning the air.
- 30 9. Apparatus according to claim 8 when referring back to
one of claims 3 to 7, characterised in that the same

number of heating units (25, 25') are provided as there are drying facilities (100, 100').

10. Apparatus according to one of claims 1 to 7,
5 characterised in that they are designed as coolers.
11. Apparatus according to claim 10, characterised in that
at least one fan, which sucks in fresh air and
introduces it as thermally conditioned air into the
10 useful spaces (14, 14') of the cooling facilities
(100, 100'), is provided.
12. Apparatus according to claim 10, characterised by at
least one cooling unit, which cools the air introduced
15 into the useful spaces (14, 14') of the cooling
facilities (100, 100').